

Description

Chemical Name	Trilauryl Phosphite
CAS Number	3076-63-9
Chemical Structure	$ \begin{array}{c} \text{C}_{12}\text{H}_{25}-\text{O} \\ \diagdown \\ \text{P}-\text{O}-\text{C}_{12}\text{H}_{25} \\ \diagup \\ \text{C}_{12}\text{H}_{25}-\text{O} \end{array} $
Chemical Formula	$\text{C}_{36}\text{H}_{75}\text{O}_3\text{P}$
Molecular Weight	586

Specification

Appearance	Clear liquid
Acid Value	0.1 max (mg KOH/gm)
Color (APHA)	50 max
Phosphorus Content	5.3 %
Refractive Index	1.4545~1.4615 (25°C)
Specific Gravity	0.866~0.890 g/cm ³ (25°C/15°C)
Packing	Net 180kg /drum

Application

MK TLP phosphite is a trialkyl phosphite which can be used as a lubricant additive to improve anti-friction and anti-wear characteristics. It also functions as a sulfur deactivator.

MK TLP phosphite may be used as a stabilizer in PVC, polyester fibers and in polypropylene when regulatory approval for food contact is not required.